

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

Claim 1 (currently amended). A camera device comprising an image capturing element, a lens substrate carrying a lens element, wherein said lens element projects an object on the image capturing element, a spacer located between the lens substrate and the image capturing element, wherein the spacer comprises first and second adhesive layers and a glass spacer substrate for maintaining a predetermined distance between the lens substrate and the image capturing element, wherein the adhesive layers comprise one of a ultra-violet curing resin and thermo-hardening resin, wherein said spacer substrate is adhered to said image capturing element by means of the first adhesive layer, and said lens substrate is adhered to said spacer substrate by means of the second adhesive layer, wherein the spacer substrate comprises a hole coaxially positioned relative to a main optical axis of the lens element.

Claim 2 (previously presented). A camera device as claimed in claim 1, wherein the adhesive layer has the shape of a rim outside a projection of the hole on the spacer means coaxially positioned relative to a main optical axis of the lens element.

Claim 3 (previously presented). A camera device as claimed in claim 1, wherein the adhesive layer comprises an ultra-violet curing resin.

Claim 4 (previously presented). A camera device as claimed in claim 1, wherein the adhesive layer comprises a thermo-hardening resin.

Claim 5 (cancelled).

Claim 6 (currently amended). A camera device as claimed in claim 1, wherein ~~the spacer substrate comprises a hole coaxially positioned relative to a main optical axis of the lens element whereby~~ the side of the hole is provided with an anti-reflection layer.

Claim 7 (previously presented). A camera device as claimed in claim 1, wherein the spacer further comprises a cover substrate.

Claim 8 (currently amended). A camera device as claimed in claim 7, wherein the cover substrate comprises a second lens substrate having a second lens element for projecting an object on the image capturing element, the main optical axis of the lens element coinciding with the main optical axis of the second lens element.

Claim 9 (cancelled).

Claim 10 (previously presented). A camera device as claimed in claim 7, wherein the adhesive layer is located between the spacer substrate and the cover substrate.

Claim 11 (previously presented). A camera device as claimed in claim 1, wherein the lens element is of a replication type.

Claim 12 (previously presented). A camera device as claimed in claim 11, wherein the lens is formed as a convexity in the lens substrate.

Claim 13 (previously presented). A camera device as claimed in claim 11, wherein the lens is formed as a concavity in the lens substrate.

Claim 14 (previously presented). A camera device as claimed in claim 11, wherein the lens substrate is provided with a through hole whereby the lens element is located within the through hole.

Claim 15 (previously presented). A camera device as claimed in claim 1, wherein the lens substrate is provided with an infra-red reflecting layer.

Claim 16 (previously presented). A camera device as claimed in claim 1, wherein the lens substrate is provided with an anti-reflection layer.

Claim 17 (withdrawn). A method for manufacturing a camera device, characterized by the steps of:

providing a lens substrate comprising a plurality of lens elements, the lens substrate comprising an adhesive layer;

stacking the lens substrate and a base substrate comprising a plurality of image capturing elements;

aligning the lens substrate and the base substrate along main optical axes through respective lens elements and associated image capturing elements;

setting the distance between the lens elements and the associated image capturing elements along the main optical axes through the lens elements and the associated image capturing elements;

hardening the adhesive layer, and

separating camera devices from the stack of the lens substrate and the base substrate.

Claim 18 (currently amended). A wafer scale package comprising a base substrate having a plurality of image capturing elements, wherein the package further comprises a lens substrate having a plurality of lens elements associated with respective image capturing elements, and a glass spacer substrate for maintaining a predetermined distance between the lens substrate and the base substrate, whereby the position of the lens substrate relative to the

base substrate is fixated by means of an adhesive layer securing said lens substrate to said spacer substrate, and another adhesive layer securing said spacer substrate to said base substrate, wherein the adhesive layers comprise one of a curing resini and thermo-hardening resin, wherein the spacer substrate comprises a hole coaxially positioned relative to a main optical axis of the lens element.

Claim 19 (previously presented). An optical assembly for use in a process for manufacturing a camera device according to claim 1, wherein the optical assembly comprises a lens substrate having a plurality of lens elements.

Claim 20 (currently amended). A camera device comprising an image capturing element, a first lens substrate for carrying a first lens element, wherein said first lens element projects an object on the image capturing element, a spacer located between the first lens substrate and the image capturing element, wherein the spacer comprises one or more adhesive layers, wherein the adhesive layers comprise one of a ultra-violet curing resin and thermo-hardening resin, and a glass spacer substrate for maintaining a predetermined distance between the first lens substrate and the image capturing element, wherein said spacer substrate is adhered to said image capturing element by means of an adhesive layer, wherein a second lens substrate for carrying a second lens element is stacked on said first lens substrate, aligned along the main optical axis through the second lens element, first lens element, spacer substrate and the image capturing element, wherein the spacer substrate comprises a hole coaxially positioned relative to a main optical axis of the lens element.

Claim 21 (previously presented). A camera device according to claim 20, wherein an adhesive layer is present between the second lens substrate and the first lens substrate.

Claim 22 (previously presented). A camera device according to claim 20, wherein said second lens substrate further comprises a second spacer substrate, wherein said second spacer substrate is adhered to said first lens substrate through an adhesive layer.

Claim 23 (previously presented). A camera device according to claim 22, wherein said second lens substrate is adhered to said second spacer substrate through an adhesive layer.

Claim 24 (previously presented). A camera device as claimed in claim 20, wherein the adhesive layer has the shape of a rim outside a projection of the hole on the second spacer substrate coaxially positioned relative to a main optical axis of the second lens element.

Claim 25 (previously presented). A camera device as claimed in claim 20, wherein the adhesive layer comprises an ultra-violet curing resin.

Claim 26 (previously presented). A camera device as claimed in claim 20, wherein the adhesive layer comprises a thermo-hardening resin.

Claim 27 (currently amended). A camera device as claimed in claim 20, wherein ~~the spacer substrate comprises a hole coaxially positioned relative to a main optical axis of the lens element whereby~~ the side of the hole is provided with an anti-reflection layer.

Claim 28 (previously presented). A camera device as claimed in claim 20, wherein at least one of the lens elements is of a replication type.

Claim 29 (previously presented). A camera device as claimed in claim 20, wherein at least one of the lens elements is formed as a convexity in the lens substrate.

Claim 30 (previously presented). A camera device as claimed in claim 20, wherein at least one of the lens elements is formed as a concavity in the lens substrate.

Claim 31 (previously presented). A camera device as claimed in claim 20, wherein the lens substrate is provided with a through hole whereby at least one of the lens elements is located within the through hole.

Claim 32 (previously presented). A camera device as claimed in claim 20, wherein the lens substrate is provided with an infra-red reflecting layer.

Claim 33 (previously presented). A camera device as claimed in claim 20, wherein the lens substrate is provided with an anti-reflection layer.